Claims

SUBA5/ 1. Method for addressing at least one service in a data communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmitting information in at least one preferably MPEG data transmission stream (TS), in which method:

- one or several service_providers transmits services to one or several data transmission networks (6, 12a, 12b, 15a, 15b, 16, 17), and
- the service is assigned an identification (original_network_id, transport_stream_id, service_id),

wherein on basis of the identification (original_network_id, transport_stream _id, service_id), it is possible to retrieve the data transmission stream (TS) to be used and the location in the data transmission stream (TS), characterized in that the service is assigned an identifying name (service_provider_name, service_name) and a relation between the name information and the identification data, wherein on the basis of the name information (service_provider_name, service_name) and the relation, it is possible to retrieve the service identification.

2. Method for addressing at least one service and/or service component in a data communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmitting information in at least one preferably MPEG data transmission stream (TS), in which method:

- the services comprise at least one service component,
- one or several service_providers transmits services to one or several data transmission networks (6, 12a, 12b, 15a, 15b, 16, 17),
- the service is assigned an identification (original_network_id, transport_stream_id, service_id) identifying the service, and
- the service component is assigned an identification (original_network_id, transport_stream_id, service_id, event_id, module_id, component_tag) identifying the service component as well as the service to be used for transmitting the service component,

wherein the identification data (original_network_id, transport_stream_id, service_id, event_id, module_id, component_tag) can serve as a basis for retrieving the data transmission stream (TS) to be used for transmitting the

16

service and the service component, and the location in the data transmission stream (TS),

characterized in that the service and/or the service component are assigned identifying name information (service_provider_name, service_name) and a relation between the name information and identification data, wherein on the basis of the name information (service_provider_name, service_name) and the relation it is possible to retrieve the identification data of the service and/or the service component.

3. Method according to claim 1 or 2, characterized in that the data transmission streams (TS) are data transmission streams complying to the DVB definitions.

4. Method according to claim 3, in which the identification data are transmitted in SDT table records, characterized in that the name information is added to the descriptor in the SDT table record, wherein a relation is formed between the name information and the identification data.

5. Method according to claim 3, in which the identification data are transmitted in EIT table records, characterized in that the name information is added to the descriptor in the EIT table record, wherein a relation is formed between the name information and the identification data.

6. Method according to any of claims 1 - 5, characterized in that the name information comprises the service_name and the service_provider_name.

7. Method according to any of claims 1 - 6, characterized in that the service components are files transmitted in the DSM-CC data carousel.

8. Method according to any of claims 1 - 7, characterized in that the service components are transmitted in DSM-CC object carousel.

9. Method according to any of claims 1 - 8, characterized in that the name information are used as part of the URL address.

10. Data communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmitting

17

information on services in at least one preferably MPEG data transmission stream (TS), which system comprises equipment for transmitting services of one or several service_providers to one or several data transmission networks (6, 12a, 12b, 15a, 15b, 16, 17), and the service is assigned an

5   identification (original_network_id, transport_stream_id, service_id), characterized in that the system comprises further:

-    means for assigning the service an identifying name (service_provider_name, service_name) and

-    means for forming a relation between the name information and the

10   identification data,

wherein on the basis of the name information (service_provider_name, service_name) and the relation it is possible to retrieve the service identification.

15   11. Data communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmitting information on services in at least one preferably MPEG data transmission stream (TS), in which system:

-    the services comprise at least one service component,

20   -   there are means for transmitting services of one or several service_ providers to one or several data transmission networks (6, 12a, 12b, 15a, 15b, 16, 17),

-    the service is assigned an identification (original_network_id, transport_ stream_id, service_id) identifying the service, and

25   -   the service component is assigned an identification (original_network_ id, transport_stream_id, service_id, event_id, module_id, component_ tag) identifying the service component as well as the service to be used for transmitting the service component,

wherein the identification data (original_network_id, transport_stream_id,

30   service_id, event_id, module_id, component_tag) can serve as a basis for retrieving the data transmission stream (TS) to be used for transmitting the service and the service component, and the location in the data transmission stream (TS),

characterized in that the system comprises further:

35   -   means for assigning the service and/or the service component identifying name information (service_provider_name, service_name) and

- means for forming a relation between the name information and identification data,

wherein on the basis of the name information (service_provider_name, service_name) and the relation it is possible to retrieve the identification

5 data of the service and/or the service component.

12. Broadcasting device (1a, 1b, 1c, 2, 3, 4, 5) for transmitting at least one service in a data communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmission

10 of information in at least one, preferably MPEG data transmission stream (TS), in which data communication system the service is assigned an identification (original_network_id, transport_stream_id, service_id), characterized in that the device comprises further means (3) for transmitting the name identifying the service (service_provider_name, service_name)

15 and the relation between the name information and the identification data to the data transmission network.

13. Broadcasting device (1a, 1b, 1c, 2, 3, 4, 5) for transmitting at least one service and/or service component in a data communication

20 system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmission of information in at least one preferably MPEG data transmission stream (TS), in which data communication system:
- the service is assigned an identification (original_network_id, transport_ stream_id, service_id) identifying the service, and

25 - the service component is assigned an identification (original_network_ id, transport_stream_id, service_id, event_id, module_id, component_ tag) identifying the service component as well as the service to be used for transmitting the service component;

characterized in that the device comprises further means (3) for transmitting

30 the name identifying the service (service_provider_name, service_name) and the relation between the name information and the identification data to the data transmission network.

14. Receiver (7) for receiving at least one service in a data

35 communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmission of information in at least one, preferably MPEG data transmission stream (TS), in which data communication system the service is assigned an identification (original_

network_id, transport_stream_id, service_id), characterized in that the receiver (7) comprises further:

- means (10) for receiving the name information (service_provider_name, service_name) identifying the service as well as the relation between the name information and the identification data, and

5

- means (10) for finding out the service identification data on the basis of the relation between the name information and identification data.

10   15. Receiver (7) for receiving at least one service and/or service component in a data communication system comprising at least one data transmission network (6, 12a, 12b, 15a, 15b, 16, 17) for transmission of information in at least one, preferably MPEG data transmission stream (TS), in which data communication system:

- the service is assigned an identification (original_network_id, transport_stream_id, service_id) identifying the service,

15

- the service component is assigned an identification (original_network_id, transport_stream_id, service_id, event_id, module_id, component_tag) identifying the service component and the service to be used for transmission of the service component,

20 characterized in that the receiver (7) comprises further:

- means (10) for receiving the name information (service_provider_name, service_name) identifying the service and/or the service component as well as the relation between the name information and the identification data, and

25

- means (10) for finding out the service identification data on the basis of the relation between the name information and identification data.

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